

## Special Issue

# Emerging Surface-Enhanced Raman Scattering Strategies and Applications for Biosensors

### Message from the Guest Editors

Surface-enhanced Raman scattering (SERS) has been recognized as a sensitive and rapid tool used to provide rich vibrational spectroscopic information. In recent years, many efforts have been made to explore new applications of SERS in various bio-related areas (e.g., biological sample analysis, disease diagnosis, and nano-bio interactions) and achieve a high resolution in biological samples. Over 40 years have passed since the discovery of SERS. Challenges and opportunities co-exist in the development of SERS techniques. Therefore, this Special Issue focuses on the emerging SERS strategies and applications in biosensing. The topics of this issue include, but are not limited to:

- The SERS analysis of biomolecules, biomarkers, bio-related exogenous species (e.g., drugs, pesticide, and cosmetic ingredients), biological samples, and bio-nano interactions;
- Novel SERS substrates for biosensing;
- The reliable and reproducible preparation of SERS biosensors;
- SERS strategies with improved selectivity and sensitivity for complex biological samples;
- SERS imaging in biological samples;
- SERS data processing methods;
- Portable SERS biosensing devices.

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### Guest Editors

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### Deadline for manuscript submissions

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## Biosensors

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## About the Journal

### Message from the Editor-in-Chief

*Biosensors* is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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